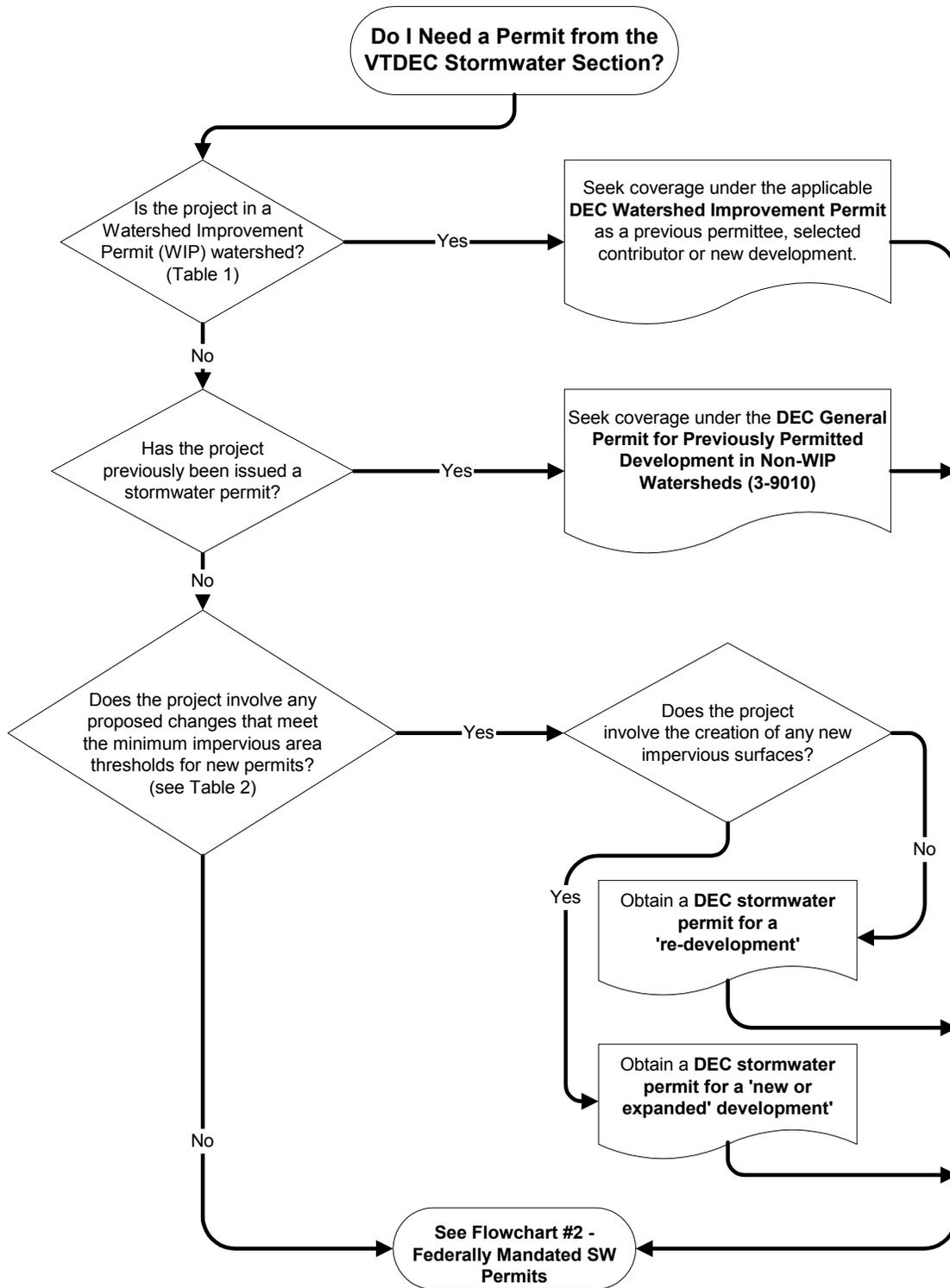


Vermont DEC - State Stormwater Permitting Flowchart



Flowchart #2
Federally Mandated Stormwater Permitting Flowchart
(Administered by VTDEC)

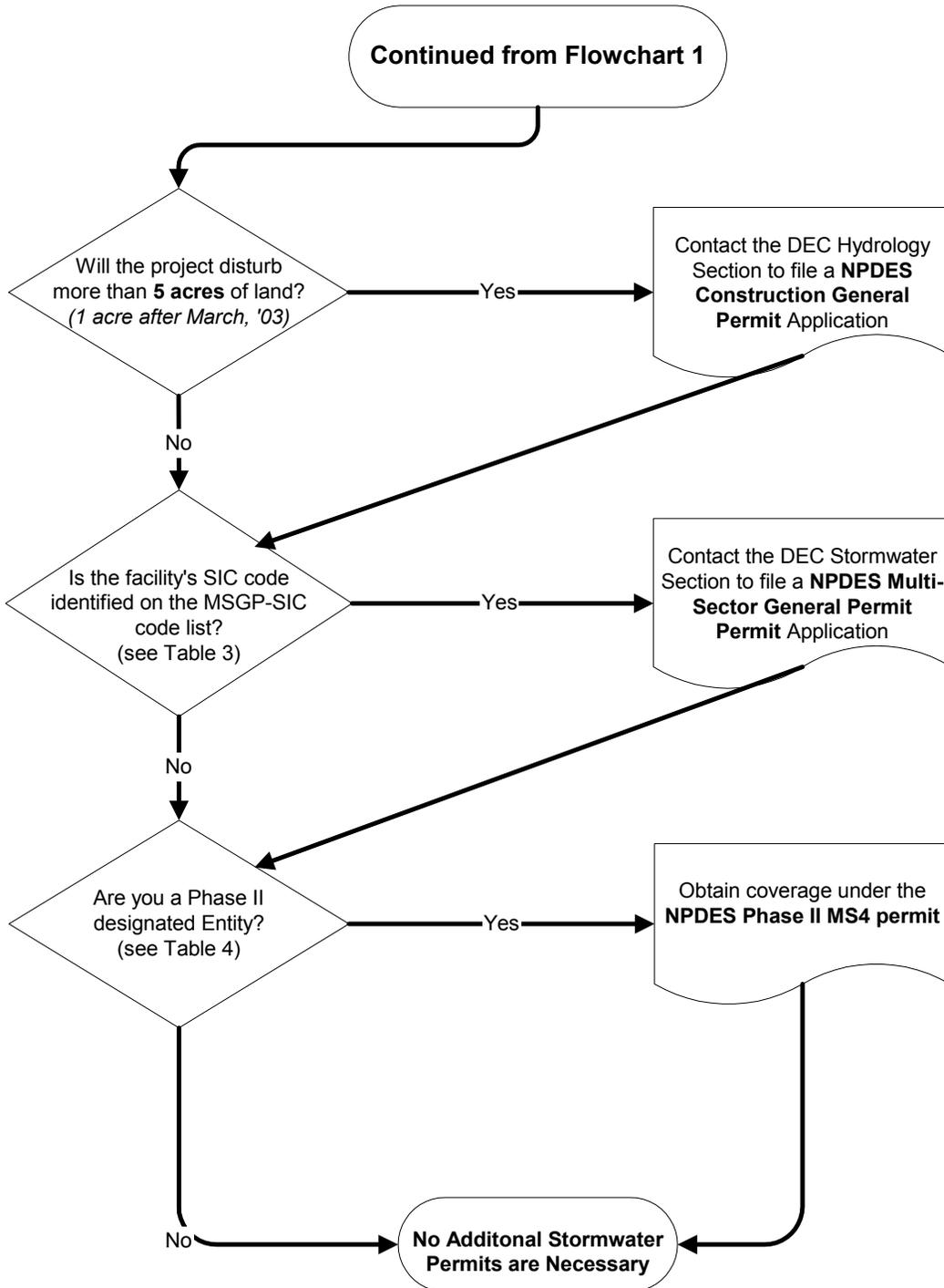


Table 1**LIST OF WATERS THAT ARE PRINCIPALLY IMPAIRED DUE TO COLLECTED STORMWATER RUNOFF**

Waterbody ID	Basin	County	Waterbody Name	Problem	Pollutant
VT03-06	3	Rutland	MOON BROOK, MOUTH TO 2.3 MILES UPSTREAM	LAND DEVELOPMENT; EROSION; URBAN RUNOFF; NO MONITORING DATA ON POLLUTANTS	UNDEFINED - TYPICAL (SEDIMENT, NUTRIENTS, PATHOGENS, TOXICS)
VT05-07	5	Franklin	STEVENS BROOK, FROM RM 4.1 AT CVRR UPSTREAM 6 MILES TO I-89	LAND DEVELOPMENT, EROSION/SEDIMENTATION, URBAN RUNOFF, MORPHOLOGICAL INSTABILITY	SEDIMENT, ORGANIC ENRICHMENT, TOXICS (METALS & ORGANICS)
VT05-09	5	Chittenden	INDIAN BROOK, FROM RM 5.6 AT SUZIE WILSON RD UPSTREAM TO RM 9.8 AT BUTLERS CORNERS (RT 15)	LAND DEVELOPMENT, EROSION, URBAN RUNOFF; NO MONITORING DATA ON POLLUTANTS	UNDEFINED-TYPICAL (SED'T, NUTRIENT, TOXICS, METAL, PATHOGEN)
VT05-10	5	Chittenden	ENGLESBY BROOK	URBAN STORMWTR RUNOFF, BLANCHARD BEACH CLOSURE	PATHOGENS, UNDEFINED-TYPICAL (METALS, NUTRIENT, TOX, SED'MT)
VT05-11	5	Chittenden	BARTLETT BROOK	LAND DEVELOPMENT, EROSION, URBAN RUNOFF; NO MONITORING DATA ON POLLUTANTS	UNDEFINED - TYPICAL (SEDIMENT, NUTRIENTS, TOXICS, METALS)
VT05-11	5	Chittenden	MUNROE BROOK	URBAN RUNOFF, EROSION, LAND DEVELOPMENT	UNDEFINED-TYPICAL (SED, NUTRIENT, METAL, PATH); UNKNWN TOX'Y
VT05-11	5	Chittenden	POTASH BROOK	URBAN RUNOFF, LAND DEVELOPMENT, EROSION; FREQUENT BEACH CLOSURES (RED ROCKS)	SED'MT, PATHOGENS; UNDEFINED-TYPICAL (METALS, NUTRIENTS, TOX)
VT08-02	8	Chittenden	ALLEN BROOK, FROM 1 MILE ABOVE MOUTH UPSTREAM 5.5 MILES	LAND DEVELOPMENT; EROSION; URBAN RUNOFF	PATHOGENS, UNDEF-TYPICAL (SED, TOXICS, NUTRIENTS, METALS)
VT08-02	8	Chittenden	MUDDY BROOK – TRIBUTARY #4	LAND DEVELOPMENT; EROSION; URBAN RUNOFF	TOXICS, ORGANIC ENRICHMENT, TEMPERATURE
VT08-02	8	Chittenden	SUNDERLAND BROOK (6.5 MILES)	LAND DEVELOPMENT; EROSION; URBAN RUNOFF	TOXICS; UNDEFINED (SEDIMENT, NUTRIENTS, PATHOGENS, METALS)

Waterbody ID	Basin	County	Waterbody Name	Problem	Pollutant
VT08-02	8	Chittenden	MOREHOUSE BROOK (1.5 MILES)	URBAN RUNOFF, EROSION; NO MONITORING DATA ON POLLUTANTS	UNDEFINED - TYPICAL (SEDIMENT, NUTRIENTS, PATHOGENS, TOXICS)
VT08-20	8	Washington	SLIDE BROOK (0.7 MILES)	EROSION FROM UPSTREAM AREAS IN W/SHED & PARKING LOT; LAND DEVELOPMENT	SEDIMENT
VT08-20	8	Washington	RICE BROOK	EROSION FROM UPSTRM AREAS IN WATERSHED & PARKING LOT; LAND DEVELOPMENT	SEDIMENT
VT08-20	8	Washington	CHASE BROOK, FROM MOUTH UPSTREAM FOR 0.5 MILE	RUNOFF FROM PARKING AREAS	SEDIMENT
VT08-20	8	Washington	CLAY BROOK, INFERNO ROAD AREA (0.1 MILES)	SOIL EROSION CONSTRUCTION ACTIVITIES & GRAVEL PARKING LOT; INCREASED PEAK STORMWATER FLOWS	SEDIMENT, IRON
VT10-06	10	Windsor	EAST BRANCH, ROARING BROOK (0.5 MILE)	LAND DEVELOPMENT, EROSION, ROAD RUNOFF	SEDIMENT, IRON
VT10-06	10	Windsor	ROARING BROOK (LOWEST 1.5 MILES)	LAND DEVELOPMENT; EROSION; ROAD RUNOFF	SEDIMENT
VT11-15	11	Windham	STYLES BROOK (2 MILES)	LAND DEVELOPMENT, HYDROLOGIC MODIFICATION	SEDIMENT
VT11-15	11	Windham	TRIB #1, NO. BRANCH, BALL MTN BROOK, ABOVE GOLF COURSE POND	URBAN RUNOFF, LAND DEVELOPMENT IN STEEP AREA, EROSION	SEDIMENT
VT12-05	12	Windham	NO. BRANCH DEERFIELD RIVER, 0.4 MILE ABOVE SNOW LAKE TO TANNEY BRK RD	LAND DEVELOPMENT & CONSTRUCTION RELATED EROSION	SEDIMENT

Table 2

STORMWATER PERMIT REQUIRED?

The existing stormwater management procedures, adopted in November 1997, require a permit for the discharge of collected stormwater runoff under any of the following situations:

- 1. Stormwater runoff from a development in which the area of all impervious surfaces contributing runoff to one or more stormwater discharge points exceeds 2.0 acres.*
- 2. Stormwater runoff from a development in which the area of all impervious surfaces contributing runoff to one or more stormwater discharge points exceeds 1.0 acre, and the ratio of the area of the watershed at the point of discharge furthest downstream measured in square miles and the area of all impervious surfaces measured in acres is less than 3.0.*
- 3. Stormwater runoff from a development in which the area of all impervious surfaces contributing runoff to one or more stormwater discharge points exceeds 1.0 acre and the discharge is to:*
 - a. a Class I wetland; or*
 - b. lakes and ponds that have drainage areas of less than 40 square miles and a drainage area to surface area ratio of less than 500, or tributaries of those lakes and ponds.*
- 4. Stormwater runoff which is discharged to Class A waters.*
- 5. Stormwater runoff which is discharged to an Outstanding Resource Water as designated by the Vermont Water Resources Board because of its pristine physical and chemical water quality value (10 V.S.A. Section 1424a(d)(1)).*
- 6. Discharges of stormwater runoff which the Secretary determines contribute to a violation of the Vermont Water Quality Standards or could be a significant contributor of pollutants to waters of the State.*
- 7. Discharges of stormwater runoff defined in basin plans (as required by '303e of the federal Clean Water Act) as part of a strategy to achieve compliance with the Vermont Water Quality Standards and the State water quality policy (10 V.S.A. Section 1250).*

Table 3**SECTORS OF INDUSTRIAL ACTIVITY COVERED BY THE NPDES MULTI-SECTOR GENERAL PERMIT**

SECTOR	SECTOR DESCRIPTION	SIC CODE	ACTIVITY REPRESENTED
A	Timber Products	2421 2491 2411 2426 2429 2431-2439 (except 2434) 2448, 2449 2451, 2452 2493 2499	General Sawmills and Planning Mills Wood Preserving Log Storage and Handling Hardwood Dimension and Flooring Mills Special Product Sawmills, Not Elsewhere Classified Millwork, Veneer, Plywood, and Structural Wood Wood Containers Wood Buildings and Mobile Homes Reconstituted Wood Products Wood Products, Not Elsewhere Classified
B	Paper and Allied Products	2611 2621 2631 2652-2657 2671-2679	Pulp Mills Paper Mills Paperboard Mills Paperboard Containers and Boxes Converted Paper and Paperboard Products, Except Containers and Boxes
C	Chemical and Allied Products	2812-2819 2821-2824 2833-2836 2841-2844 2851 2861-2869 2873-2879 2891-2899 3952 (limited to list)	Industrial Inorganic Chemicals Plastics Materials and Synthetic Resins, Synthetic Rubber, Cellulosic and Other Manmade Fibers Except Glass Medicinal chemicals and botanical products; pharmaceutical preparations; invitro and invivo diagnostic substances; biological products, except diagnostic substances Soaps, Detergents, and Cleaning Preparations; Perfumes, Cosmetics, and Other Toilet Preparations Paints, Varnishes, Lacquers, Enamels, and Allied Products Industrial Organic Chemicals Agricultural Chemicals (including facilities that make fertilizer solely from leather scraps and leather dust) Miscellaneous Chemical Products Inks and Paints, Including China Painting Enamels, India Ink, Drawing Ink, Platinum Paints for Burnt Wood or Leather Work, Paints for China Painting, Artist's Paints and Artist's Watercolors
D	Asphalt Paving and Roofing Materials and Lubricants	2951, 2952 2992, 2999	Asphalt Paving and Roofing Materials Miscellaneous Products of Petroleum and Coal

SECTOR	SECTOR DESCRIPTION	SIC CODE	ACTIVITY REPRESENTED
E	Glass Clay, Cement, Concrete, and Gypsum Products	3211 3221, 3229 3231 3281 3291-3292 3296 3299 3241 3251-3259 3261-3269 3297 3271-3275 3295	Flat Glass Glass and Glassware, Pressed or Blown Glass Products Made of Purchased Glass Cut Stone and Stone Products Abrasive and Asbestos Products Mineral Wool Nonmetallic Mineral Products, Not Elsewhere Classified Hydraulic Cement Structural Clay Products Pottery and Related Products Non-Clay Refractories Concrete, Gypsum and Plaster Products Minerals and Earth's, Ground, or Otherwise Treated
F	Primary Metals	3312-3317 3321-3325 3331-3339 3341 3351-3357 3363-3369 3398, 3399	Steel Works, Blast Furnaces, and Rolling and Finishing Mills Iron and Steel Foundries Primary Smelting and Refining of Nonferrous Metals Secondary Smelting and Refining of Nonferrous Metals Rolling, Drawing, and Extruding of Nonferrous Metals Nonferrous Foundries (Castings) Miscellaneous Primary Metal Products
G	Metal Mining (Ore Mining and Dressing)	1011 1021 1031 1041, 1044 1061 1081 1094, 1099	Iron Ores Copper Ores Lead and Zinc Ores Gold and Silver Ores Ferroalloy Ores, Except Vanadium Metal Mining Services Miscellaneous Metal Ores
H	Coal Mines and Coal Mining Related Facilities	1221-1241	Coal Mines and Coal Mining-Related Facilities
I	Oil and Gas Extraction and Refining	1311 1321 1381-1389 2911	Crude Petroleum and Natural Gas Natural Gas Liquids Oil and Gas Field Services Petroleum Refineries
J	Mineral Mining and Dressing	1411 1422-1429 1481 1442, 1446 1455, 1459	Dimension Stone Crushed and Broken Stone, Including Rip Rap Nonmetallic Minerals Services, Except Fuels Sand and Gravel Clay, Ceramic, and Refractory Materials

SECTOR	SECTOR DESCRIPTION	SIC CODE	ACTIVITY REPRESENTED
		1474-1479 1499	Chemical and Fertilizer Mineral Mining Miscellaneous Nonmetallic Minerals, Except Fuels
K	Hazardous Waste Treatment, Storage, or Disposal Facilities	HZ	Hazardous Waste Treatment, Storage or Disposal
L	Landfills and Land Application Sites	LF	Landfills, Land Application Sites, and Open Dumps
M	Automobile Salvage Yards	5015	Automobile Salvage Yards
N	Scrap Recycling Facilities	5093	Scrap Recycling Facilities
O	Steam Electric Generating Facilities	SE	Steam Electric Generating Facilities
P	Land Transportation and Warehousing	4011, 4013 4111-4173 4212-4231 4311 5171	Railroad Transportation Local and Highway Passenger Transportation Motor Freight Transportation and Warehousing United States Postal Service Petroleum Bulk Stations and Terminals
Q	Water Transportation	4412-4499	Water Transportation
R	Ship and Boat Building or Repairing Yards	3731, 3732	Ship and Boat Building or Repairing Yards
S	Air Transportation	4512-4581	Air Transportation Facilities
T	Treatment Works	TW	Treatment Works
U	Food and Kindred Products	2011-2015 2021-2026 2032 2041-2048 2051-2053 2061-2068 2074-2079 2082-2087 2091-2099 2111-2141	Meat Products Dairy Products Canned, Frozen and Preserved Fruits, Vegetables and Food Specialties Grain Mill Products Bakery Products Sugar and Confectionery Products Fats and Oils Beverages Miscellaneous Food Preparations and Kindred Products Tobacco Products
V	Textile Mills, Apparel, and Other Fabric Product Manufacturing, Leather and Leather Products	2211-2299 2311-2399 3131-3199 (except 3111)	Textile Mill Products Apparel and Other Finished Products Made From Fabrics and Similar Materials Leather Products
W	Furniture and Fixtures	2511-2599 2434	Furniture and Fixtures Wood Kitchen Cabinets
X	Printing and Publishing	2711-2796	Printing, Publishing, and Allied Industries.

SECTOR	SECTOR DESCRIPTION	SIC CODE	ACTIVITY REPRESENTED
Y	Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries.	3011 3021 3052, 3053 3061, 3069 3081-3089 3931 3942-3949 3951-3955 (except 3952 facilities as specified in Sector C) 3961, 3965 3991-3999	Tires and Inner Tubes Rubber and Plastics Footwear Gaskets, Packing, and Sealing Devices and Rubber and Plastics Hose and Belting Fabricated Rubber Products, Not Elsewhere Classified Miscellaneous Plastics Products Musical Instruments Dolls, Toys, Games and Sporting and Athletic Goods Pens, Pencils, and Other Artists' Materials Costume Jewelry, Costume Novelties, Buttons, and Miscellaneous Notions, Except Precious Metal Miscellaneous Manufacturing Industries
Z	Leather Tanning and Finishing	3111	Leather Tanning and Finishing
AA	Fabricated Metal Products	3411-3499 3911-3915 3479	Fabricated Metal Products, Except Machinery and Transportation Equipment and Cutting, Engraving and Allied Services Jewelry, Silverware, and Plated Ware Coating, Engraving, and Allied Services
AB	Transportation Equipment, Industrial or Commercial Machinery	3511-3599 (except 3571-3579) 3711-3799 (except 3731, 3732)	Industrial and Commercial Machinery (except Computer and Office Equipment-see Sector AC) Transportation Equipment (except Ship and Boat Building and Repairing-see Sector R)
AC	Electronic, Electrical, Photographic, and Optical Goods	3612-3699 3812-3873 3571-3579	Electronic, Electrical Equipment and Components, except Computer Equipment Measuring, Analyzing and Controlling Instrument; Photographic and Optical Goods; Watches and Clocks Computer and Office Equipment
AD	Non-Classified Facilities	N/A	Other storm water discharges designated by the Director as needing a permit (see 40 CFR 122.26(g)(1)(I)) or any facility discharging storm water associated with industrial activity not described by any of Sectors A-AC. Note: Facilities may not elect to be covered under Sector AD. Only the Director may assign a facility to Sector AD

Table 4

DESIGNATED PHASE II - MS4 ENTITIES

Burlington International Airport

City of Burlington

City of South Burlington

City of Winooski

Town of Colchester

Town of Essex

Town of Shelburne

Town of Williston

Village of Essex Junction

University of Vermont

Vermont Agency of Transportation (only facilities within the above designated municipalities)